

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-102473
(43)Date of publication of application : 21. 04. 1998

(51)Int. CI.

E02D 3/02

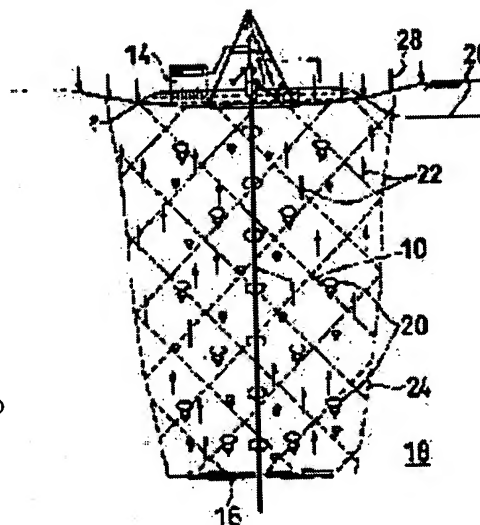
(21)Application number : 08-274002 (71)Applicant : KUMAGAI GUMI CO LTD
(22)Date of filing : 26. 09. 1996 (72)Inventor : KAMEYAMA TOSHIHARU
HIRANO AKIOMI

(54) METHOD FOR PREVENTING LIQUEFACTION OF SANDY GROUND

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for preventing liquefaction which is applicable for all sandy ground in which high compressed pressure air is used.

SOLUTION: In the method for preventing liquefaction of sandy ground, a compressed air pipe 10 is driven into the ground to a predetermined depth to blow off high pressure compressed air, as a jet 16, into the ground 18. Whereupon, air flows 20, a rise in pore water pressure, and upward seepage flows 22 are caused by the compressed air blown into the ground 18 so that a local liquefaction is generated. Stopping the compressed air from blowing, then blowing of the compressed air, local liquefaction of the ground, and stopping the compressed air from blowing are repeated.



LEGAL STATUS

[Date of request for examination] 14. 11. 2001
[Date of sending the examiner's decision
of rejection]
[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]
[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998, 2003 Japan Patent Office